

AMENDMENTS TO THE CLAIMSListing of claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Claim 1 (Currently Amended) An information processing method for automatically processing a display of a plurality of objects within an electronic structured document to allow and for enabling a command text to be used for both by a user to switch between a vertically-arrayed text and a horizontally-arrayed text, the method comprising the steps of:

analyzing drawing information including information of at least one object that can relate to the plurality of objects to be displayed and layout designating information for specifying a relative position direction with respect to a direction of arranging the object plurality of objects within the electronic structured document, wherein the layout designating information is included in the electronic structured document;

determining a relative placing position of the object plurality of objects in a desired drawing area of the electronic structured document based on layout definition information corresponding to the layout designating information included in the electronic structured document and obtained by the analysis of the drawing information;

generating actual object display position information for the plurality of objects corresponding to the relative placing position of the object plurality of objects responsive to the

arranging direction; and

displaying the object within the ~~electronic structured document~~ desired drawing area based on the generated actual object display position information, wherein

the relative position direction is one of vertical and horizontal.

Claim 2 (Currently Amended) The information processing method according to claim 1, wherein the layout definition information includes information indicating a size of the drawing area; and

the drawing area and the relative placing position of the object plurality of objects in the drawing area are converted into an a plurality of object display position positions.

Claim 3 (Currently Amended) The information processing method according to claim ~~12~~, wherein the ~~object is plurality of objects are displayed based on the plurality of object display position positions~~.

Claim 4 (Currently Amended) The information processing method according to claim 1, wherein

~~the relative placing position of the object is plurality of objects is updated in response to a request for changing the drawing direction of the object; and~~

~~the updated relative placing position of the object is converted to an object display position the command text.~~

Claim 5 (Previously Presented) The information processing method according to claim 1, wherein

the plurality of objects comprises a first object and a second object;

a relative placing position of the first object is determined based on a layout definition information of the first object; and

a relative placing position of the second object is determined responsive to the determined relative placing position of the first object.

Claim 6 (Currently Amended) An information processing apparatus for automatically processing a display of a plurality of objects within an electronic structured document ~~to allow and for enabling~~ a command text to be used ~~for both by a user to switch between a vertically-arrayed text and a horizontally-~~ arrayed text, the apparatus comprising:

means for analyzing drawing information including information ~~of at least one object that can relate to the plurality of objects to be displayed~~ and layout designating information for specifying a relative position direction with respect to a direction of arranging the ~~object~~ plurality of objects within the electronic structured document, wherein the layout designating information is included in the electronic structured document;

means for determining a relative placing position of the ~~object~~ plurality of objects in a desired drawing area ~~of the electronic structured document~~ based on layout definition

information corresponding to the layout designating information included in the electronic structured document and obtained by the analysis of the drawing information;

means for generating actual object display position information for the plurality of objects corresponding to the relative placing position of the object plurality of objects in response to the arranging direction; and

display means for displaying the object within the electronic structured document desired drawing area based on the generated actual object display position information, wherein

the relative position direction is one of vertical and horizontal.

Claim 7 (Currently Amended) The information processing apparatus according to claim 6, wherein

the layout definition information includes the information indicating the size of the drawing area; and

the generating means converts the drawing area and the relative placing position of the object plurality of objects in the drawing area into an a plurality of object display position positions.

Claim 8 (Currently Amended) The information processing apparatus according to claim 6, further comprising:

means for displaying the object plurality of objects based on the plurality of object display position positions.

Claim 9 (Currently Amended) The information processing apparatus according to claim 6, wherein

the relative placing position determining means updates the relative placing position of the object plurality of objects in response to a request for changing the drawing direction of the object; and

the generating means converts the updated relative placing position of the object to an object display position the command text.

Claim 10 (Previously Presented) The information processing apparatus according to claim 6, further comprising means for inputting a request for changing the drawing direction of the object the command text by the user.

Claim 11 (Previously Presented) The information processing apparatus according to claim 6, wherein

the plurality of objects comprises a first object and a second object;

the placing position decision means determines a relative placing position of the first object based on layout definition information of the first object; and

the placing position decision means determines a relative placing position of the second object responsive to the determined relative placing position of the first object.

Claims 12-17 (Cancelled)

Claim 18 (Currently Amended) A medium for causing an information processing apparatus to execute a program for automatically processing a display of a plurality of objects within an electronic structured document ~~to allow and for enabling~~ a command text to be used ~~for both by a user to switch between~~ a vertically-arrayed and a horizontally-arrayed text, the program including the steps of:

analyzing drawing information ~~at least~~ including information ~~of at least one object that can relate to the plurality of objects to be displayed~~ and layout designating information for specifying a relative position direction with respect to a direction of arranging the object plurality of objects within the electronic structured document, wherein the layout designating information is included in the electronic structured document;

determining a relative placing position of the object plurality of objects in a desired drawing area based on layout definition information corresponding to the layout designating information included in the electronic structured document and obtained ~~on by the analysis of the drawing information~~;

generating actual object display position information ~~for the plurality of objects~~ corresponding to the relative placing position of the object plurality of objects responsive to the arranging direction; and

displaying the object within the ~~electronic structured document~~ desired drawing area based on the generated actual object display position information, wherein

the relative position direction is one of vertical and

horizontal.

Claims 19-52 (Cancelled)